

United States Department of Agriculture



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SUBJECT: VIRGINIA FIELD OFFICE TECHNICAL GUIDE – SECTION IV –
Virginia Conservation Practice Standards

Purpose: To transmit the following VA Conservation Practice Standards and supporting documentation:

Practice Name	Standard	O&M Plan	Fillable O&M Plan	Statement of Work	Major Changes	Design/ Technical Note
Animal Mortality Facility (316)	X	1/		X		2/
Composting Facility (317)	X	X		X	X	
Dry Hydrant (432)	X	X		X	X	
Heavy Use Area Protection (561)	X	X		X	X	X
Land Clearing (460)	X	X		X		
Livestock Pipeline (516)	X	X		X		
Pond Sealing or Lining, Flexible Membrane (521A)	X	X		3/		
Subsurface Drain (606)	X	X		X		4/
Waste Storage Facility (313)	X					
Pumping Plant (533)			X			
Stream Crossing (578)			X			
Waste Transfer (634)		X				
Watering Facility (614)			X			
Water Well (642)			X			

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Engineering Design Note 1-Road Drainage Practices						X
Engineering Design Note 2 – Separation Distances for Waste Storage Facilities						X
Engineering Design Note 5- Summary of Virginia DEQ Regulations on Composting and Mortality						X

Effective Date: Upon receipt.

Filing Instructions: This standard and supporting documentation are accessible in Section IV of the VA eFOTG at:
<http://efotg.nrcs.usda.gov>.

If you maintain hard copies, replace the old standards with updated standards in Section IV of the Virginia Field Office Technical Guide. File updated supporting documents behind the pertinent standard.

Explanation:

General

- The Statements of Work (SOW) contain practice completion requirements that are to be used by NRCS, partners, and TSPs.
- There are now four O&M Plans that are fillable forms. The intent is to have a fillable version of each O&M Plan and Job Sheet sometime later.

Practices

Conservation Practice Standard (CPS) ***Animal Mortality Facility (316)***, dated October 2012, replaces the Standard dated May 2004. This Standard includes composting, refrigeration, incineration, and gasification of daily mortality. Composting and burial of non-disease catastrophic mortality is also included. Disease-related catastrophic mortality is eligible for assistance through this practice when performed under the supervision of the Virginia State Veterinarian or USDA APHIS. There are four O&M plans which contain information on the operation and maintenance of this practice (See footnote 1). The O&M plans also contain a mortality management plan to be completed by the operator. Design Note 316 and Technical Note 316 apply to this practice (See footnote 2). Engineering Design Notes 2 and 5 also apply to this practice.

CPS ***Composting Facility (317)***, dated October 2012, replaces the Standard dated February 2009. The Standard includes the requirements for every type of facility for composting

including mortality. Major changes to this Standard include the separation distance from the water table and the storm size used for surface water diversion. Compost may be marketed off-site but permits would be required. Engineering Design Notes 2 and 5 apply to this practice.

CPS ***Dry Hydrant (432)***, dated October 2012, replaces the Standard dated September 2009. The Standard has no major changes to most of the document. Some of the Considerations are new. Pumper testing frequency has been changed to semi-annually.

CPS ***Heavy Use Area Protection (561)***, dated October 2012, replaces the Standard dated March 2008. There are a number of changes to the Standard. The major ones are listed in the Major Changes document. Engineering Design Note 561 has been revised. The section on loafing system design is different from the State BMP requirements.

CPS ***Land Clearing (460)***, dated October 2012, replaces the Standard dated August 2009. This Standard has no major changes.

CPS ***Livestock Pipeline (516)***, dated October 2012, replaces CPS ***Pipeline (516)***, dated July 2008. This Standard has a new name, a new definition, and new purposes. The use of this practice is restricted to water supplies for livestock or wildlife only. It cannot be installed to convey water for human consumption. Several sections have been added but the Standard is essentially the same as before.

CPS ***Pond Sealing or Lining, Flexible Membrane (521A)***, dated October 2012, replaces the Standard dated June 2001. The Criteria for the subgrade, cushion layer, and cover soil have been modified to provide specific soil requirements.

CPS ***Subsurface Drain (606)***, dated October 2012, replaces the Standard dated August 2009. There are no substantial changes.

CPS ***Waste Storage Facility (313)***, dated October 2012, replaces the Standard dated October 2011. The only change to the Standard is that the restriction on animals in the waste storage facility has been removed. The requirement for use of features to protect livestock safety is unchanged.

O&M – ***Pumping Plant (533)***, dated October 2011, now has a fillable version.

O&M – ***Stream Crossing (578)***, dated April 2012, now has a fillable version.

O&M – ***Waste Transfer (634)*** O&M Plan, dated October 2012, replaces the O&M Plan dated December 2009. The lifespan of this practice is 15 years rather than the 10 years used previously.

O&M – ***Watering Facility (614)***, dated October 2011, now has a fillable version.

O&M – ***Water Well (642)***, dated October 2011, now has a fillable version.

Engineering Design Note 1- Road Drainage Practices, dated October 2011, has been moved from the Access Road folder to the Design Note folder because it applies to two Standards.

Engineering Design Note 2 (DN 2) – Separation Distances for Animal Waste Facilities, dated March 2012, shall be used with the Standards for *Waste Storage Facility (Code 313)*, *Waste Treatment Lagoon (Code 359)*, *Anaerobic Digester (Code 366)*, and *Animal Mortality Facility (Code 316)*. This Design Note also applies to *Composting Facility (Code 317)* where vegetative material or animal waste is composted and to *Heavy Use Area Protection (Code 561)* where animal waste is concentrated.

Engineering Design Note 5 (DN 5) – Summary of Virginia DEQ Regulations on Composting and Mortality, dated January 2012, provides a brief review of the Virginia composting and mortality regulations.

Footnotes

1/ There are four separate O&M Plans for Animal Mortality Facility. The four plans, dated October 2012, are for Poultry Bins; Large Animal Mortality Bins; Large Animal Mortality Pads; and Refrigerators, Gasifiers, and Incinerators.

2/ **Engineering Design Note 316 (DN 316) – Design of Large Animal Composting Facilities**, dated October 2012, will be used to design large animal mortality (LAM) composting pads and bins. It also contains a section on management of the LAM pads. There are three examples and one blank worksheet.

Engineering Technical Note 316 (TN 316) – Animal Mortality Composting, dated October 2012, replaces Engineering Technical Note 316 (TN 316) – A Review of Animal Mortality Laws in Virginia, dated February 2009. Since the original Technical Note was issued, there have been a number of changes to the State laws and regulations about composting. The revised Technical Note is a summary of those laws and regulations.

3/ There is only one Statement of Work for the four Pond Sealing or Lining Standards (521). This SOW was issued in October 2011.

4/ **Engineering Design Note 606 – Subsurface Drain**, dated August 2009, shall be archived.



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Distribution: E